

2 Nov 1988

GD0AN-A

METER, GRID DIP

1. GENERAL. This procurement requires an oscillator-type grid dip meter capable of determining the frequency of resonant circuits.

2. CLASSIFICATION. Type II, Class 5, Style EP, and Color R in accordance with MIL-T-28800 for shipboard applications.

3. MEASUREMENT CAPABILITIES. The equipment shall be capable of measuring the frequency of resonant circuits over a frequency range of 100 kHz or less to at least 940 MHz.

3.1 Accuracy. $\pm 2\%$ of indicated value.

3.2 Output. The equipment shall be capable of radiating an RF signal over the specified frequency range. Amplitude modulation capabilities shall be provided as follows:

a. Internal: Internal modulation shall be provided.

b. External: External modulation capability shall be from 20 Hz or less to at least 20 kHz.

3.2.1 Audio monitor. A headphone jack for audio monitoring shall be provided.

3.3 Meter. The equipment shall be provided with an analog meter that has a taut-band movement for resonance indications.

4. GENERAL REQUIREMENTS.

4.1 Power source. MIL-T-28800 nominal power source requirements are invoked. Operation at 400 Hz is not required. Maximum power consumption: 30W.

4.2 Weight. 20 kg (44 lb) maximum.

4.3 Lithium batteries. Per MIL-T-28800, lithium batteries are prohibited without prior authorization. A request for approval for the use of lithium batteries, including those encapsulated in integrated circuits, shall be submitted to the procuring activity at the time of submission of proposals. Approval shall apply only to the specific model proposed.